

IN THE CLAIMS:

1. (Currently Amended) A remote signaling receiver system comprising:

a first transmitter device that generates at least a first wireless communication signal;

a second transmitter device that generates at least a second wireless communication signal; and

a receiver that receives the first and second signals, the receiver including a first demodulator for processing the first signal and a second demodulator for processing the second signal, the receiver is programmed to process all received signals using one of the demodulators and only when a received signal ~~output~~ is not discernible from an output of the one demodulator to process the received signal using the other demodulator.

2. (Currently Amended) The system of claim 1, wherein the second device and the receiver are supported on a vehicle and the ~~sensor device~~ second signal provides information regarding a condition of a selected vehicle component.

3. (Currently Amended) The system of claim 2, wherein the ~~sensor~~ second device includes a tire condition sensor and the ~~sensor~~ second signal provides information regarding at least one condition of at least one of the vehicle tires selected from the group of tire pressure, tire temperature, tire thickness and acceleration.

4. (Original) The system of claim 1, wherein the first transmitter device is a portable keyless entry signaling device, the first demodulator is an ASK demodulator and the second demodulator is a demodulator that is not affected by amplitude modulation on the second signal.

5. (Cancelled)

6. (Previously Presented) The system of claim 1, wherein the first transmitter device signal has a first baud rate and the second transmitter device signal has a second baud rate that is at least two times higher than the first baud rate.

7. (Cancelled)

8. (Cancelled)

9. (Currently Amended) A vehicle remote keyless entry system comprising:
a portable transmitter that generates a wireless communication signal;
at least one sensor device supported relative to a component on the vehicle that senses
a condition of the component and generates a wireless communication signal; and
a receiver supported on the vehicle that receives the transmitter signal and the sensor
signal, the receiver including a first demodulator for processing the transmitter signal and a second
demodulator for processing the sensor signal, the receiver processing all received signals using the
first demodulator and processing a received signal using the second demodulator only if the received
signal is not discernable from the processing by the first demodulator.

10. (Currently Amended) The system of claim 9, wherein the sensor device includes a
tire condition sensor and the sensor signal provides information regarding a condition of at least one
~~of the vehicle tire~~tire.

11. (Original) The system of claim 9, wherein the first demodulator is an ASK
demodulator and the second demodulator is a demodulator that is not sensitive to amplitude
modulation.

12. (Original) The system of claim 11, wherein the second demodulator is a FSK demodulator.

13. (Cancelled)

14. (Original) The system of claim 9, wherein the transmitter signal has a first baud rate and the sensor signal has a second baud rate that is at least two times higher than the first baud rate.

15. (Original) The system of claim 9, wherein the receiver includes a microprocessor that is programmed to receive the transmitter signal on a first channel and the sensor signal on an image channel.

16-20. (Cancelled)